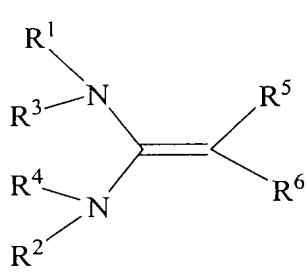


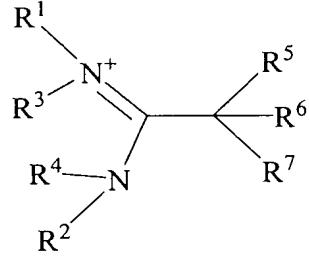
AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): A process for making a metal complex, the process comprising:

reacting a compound of a metal of groups 6 to 10 of the Periodic Table of the Elements with [[a]] at least one compound of the formula II and/or III selected from the group of compounds having formulae II and III



(II)



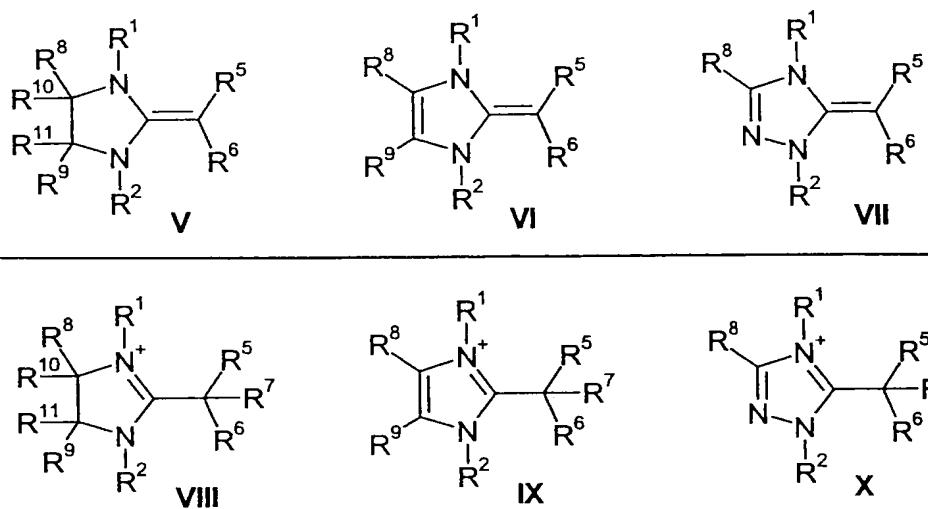
(III)

wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> [[,]] and R<sup>4</sup> are the same or different and each is a linear, branched, substituted or unsubstituted, cyclic or alicyclic alkyl group having from 1 to 24 carbon atoms; a substituted or unsubstituted, mono- or polycyclic aryl group having from 6 to 24 carbon atoms; or a mono- or polycyclic, substituted or unsubstituted heterocycle having from 2 to 24 carbon atoms [[;]] and having a heteroatom selected from the group consisting of N, O and S, and R<sup>3</sup> and R<sup>4</sup> optionally are linked by a covalent bond;

wherein R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are optionally the same or different and each is H [[,]]; a linear, branched, substituted or unsubstituted, cyclic or alicyclic alkyl group having from 1 to 24 carbon atoms; or a substituted or unsubstituted, mono- or polycyclic aryl group having from 6 to 24 carbon atoms, thereby forming a complex of said metal selected from groups 6-10 of the Periodic Table with said compound of formula (II) or (III), with the proviso that

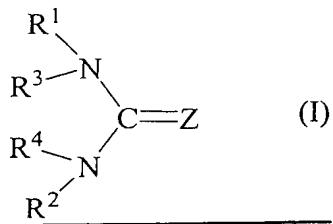
when groups R<sup>3</sup> and R<sup>4</sup> in formula are bonded together to form an imidazole ring, the metal of the metal compound reactant can not be a member of group 10;

wherein the at least one compound selected from the group of compounds having formulae II and III is selected from the group of compounds having formulae V, VI, VII, VIII, IX and X



wherein  $R^8$ ,  $R^9$ ,  $R^{10}$  and  $R^{11}$  are the same or different and are each H or have one of the definitions of  $R^1$ ; and

wherein the metal complex made by the process is represented by a formula (I)



in which

Z is a metal complex fragment of the formula:

$[L_aM_b][A]_n$  (XI) and

M is a metal of groups 6 to 10 of the Periodic Table of the Elements,

L is one or more identical or different mono- or polydentate, charged or uncharged ligands,

A is a singly charged anion or the chemical equivalent of a multiply charged anion,

b is an integer from 1 to 3,

a is an integer from 0 to  $5 \times b$ , and

n is an integer from 0 to 6.

Claims 2-3 (Canceled)

Claim 4 (Currently Amended): The process as claimed in claim [[3]] 1, wherein L in formula (XI) is hydrogen, the hydrogen ion, halogens, halogen ions, pseudohalides, carboxylate ions, sulfonate ions, amide radicals, alkyl groups, alkylaryl groups, aryl groups, heteroaryl groups, alkenyl groups, alkoxide radicals, nitriles, isonitriles, mono- or diolefins, alkynes,  $\pi$ -aromatic radicals, cyclopentadienyl, indenyl, phosphines, phosphates, phosphinites, phosphonites, phosphorus aromatics, acetylacetone, carbon monoxide, nitrogen monoxide or carbene ligands, where the alkyl groups contain from 1 to 24 carbon atoms, the alkenyl and heteroaryl groups from 2 to 24 carbon atoms, and the aryl and alkylaryl groups from 5 to 24 carbon atoms, and optionally are each substituted or unsubstituted.

Claim 5 (Currently Amended): The process as claimed in claim [[3]] 1, wherein A in formula (XI) is halide, pseudohalide, tetraphenylborate, tetrafluoroborate, tetrachloroborate, hexafluorophosphate, hexafluoroantimonate, tetracarbonylcobaltate, hexafluoroferrate, tetrachloroferrate, tetrachloroaluminate, triflate, bistrifluorosulfonylamide, heptachlorodialuminate, tetrachloropalladate, sulfate, hydrogensulfate, nitrate, nitrite, phosphate, hydrogenphosphate, dihydrogenphosphate, hydroxide, carbonate, hydrogencarbonate, salts salt of aromatic or aliphatic carboxylic acids acid, salts salt of aromatic or aliphatic sulfonic acids acid, or phenoxides phenoxide.

Claim 6 (Previously Presented): The process as claimed in claim 1, wherein the metal of groups 6 to 10 of the Periodic Table is Ru, Rh, Ni, Pd, or Pt.

Claim 7 (Canceled)

Claim 8 (Previously Presented): The process as claimed in claim 1, wherein ~~one or more embodiments of the compounds of formulas II and/or III is reacted with said metal in a molar ratio of the compound of a metal of groups 6 to 10 of the Periodic Table of the Elements to the at least one compound selected from the group of compounds having formulae II and III ranging is in a range of from 1 to 100 mol amount to the metal of groups 6 to 10 of the Periodic Table.~~

Claims 9-10 (Canceled)

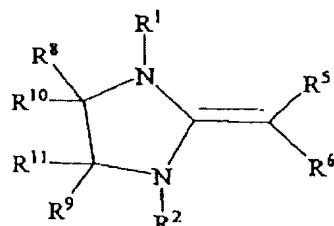
Claim 11 (Currently Amended): A method of telomerization, comprising:  
reacting an olefin with a nucleophile in the presence of a catalyst which is the metal complex made by the process of Claim 1.

Claim 12 (Previously Presented): The method of Claim 11, wherein said olefin is a conjugated diolefin and the nucleophile is an aliphatic alcohol.

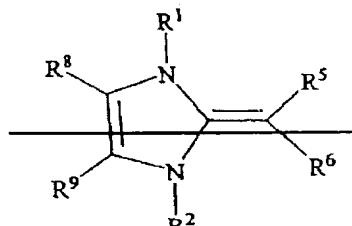
Claim 13 (Currently Amended): A method, comprising:  
conducting a hydroformylation, a hydrogenation, an aryl amination, a hydrosilylation, a Heck reaction, a Suzuki coupling, a Kumada coupling, a Stille coupling, a Miyaura coupling, a Sonogashira coupling, an olefin metathesis, a cyclopropanation, a reduction of a haloarene or a polymerization reaction in the presence of a catalyst of [[a]] the metal complex (I) that is comprised of one or more compounds of formula II and/or III as prepared made by the method process of Claim 1.

Claim 14 (Currently Amended): A process, comprising:

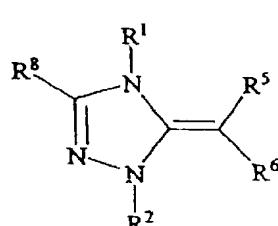
reacting a compound of a metal of groups 6 to 10 of the Periodic Table of the Elements with [[a]] at least one compound selected from the group consisting of compounds having the formulae V to , VII, VIII and /or X



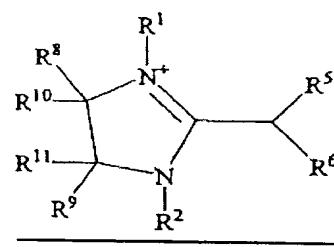
V



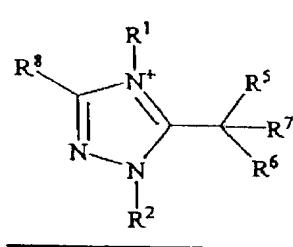
VI



VII



VIII



X

wherein R<sup>1</sup> [[,]] and R<sup>2</sup>, R<sup>3</sup>, R<sup>[[4]]</sup> are the same or different and each is a linear, branched, substituted or unsubstituted, cyclic or alicyclic alkyl group having from 1 to 24 carbon atoms; a substituted or unsubstituted, mono- or polycyclic aryl group having from 6 to 24 carbon atoms; or a mono- or polycyclic, substituted or unsubstituted heterocycle having from 2 to 24 carbon atoms [[;]] and having a heteroatom selected from the group consisting of N, O and S, and R<sup>3</sup> and R<sup>[[4]]</sup> optionally are linked by a covalent bond;

wherein R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are optionally the same or different and each is H [[,]]; a linear, branched, substituted or unsubstituted, cyclic or alicyclic alkyl group having from 1 to 24 carbon atoms; or a substituted or unsubstituted, mono- or polycyclic aryl group having from 6 to 24 carbon atoms; and

wherein R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup> and R<sup>11</sup> are the same or different and are each H or have one of the definitions of R<sup>1</sup>.